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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	IBA 10/618,934
		Filing Date	July 14, 2003
		First Named Inventor	Sierkstra et al.
		Art Unit	IBA 16 52
		Examiner Name	IBA W Moore
Sheet 1 of 2	Attorney Docket Number	4322.230-US	

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WJW ↓ Patent		US 6,197,589	03/06/2001		435/221
		US 6,197,567	03/06/2001		435/471
		US 5,801,039	09/01/1998		435/221
		US 5,741,288	04/21/1998		
		US 5,389,307	02/14/1995		
		US 5,116,741	05/26/1992		
		US 5,631,217	05/20/1997		
		US 5,482,849	01/09/1996		435/221
		US 5,352,603	10/04/1994		435/221
		US 5,340,735	08/23/1994		435/221
		US 5,336,611	08/09/1994		435/221
		US 5,324,653	06/28/1994		435/221
		US 4,980,288	12/25/1990		
		US 5,837,517	11/17/1998		
		US 5,741,694	04/21/1998		435/221
		US 5,700,676	12/23/1997		435/221
		US 5,185,258	02/09/1993		
		US 5,665,587	09/09/1997		435/221
		US 5,500,364	03/19/1996		435/221
		US 5,453,372	09/26/1995		435/221
	US 5,057,416	10/15/1991			
	US 4,859,596	08/22/1989			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
WJW ↓ WJW		EP 0 525 610 A2	02/03/1993			
		WO 89/06279	07/13/1989			
		EP 0 405 901 A1	01/02/1991			
		WO 91/00345	01/10/1991			
		EP 251466	01/07/1988			
		WO 89/07642	08/24/1989			
		EP 357/157	03/07/1990			
		WO 94/02618	02/03/1994			
		WO 92/08778	05/29/1992			
		WO 88/08028	10/20/1988			
		WO 95/10625	04/20/1995			
		WO 92/11357	07/09/1992			
		EP 516200	12/02/1992			
	WO 92/21760	12/10/1992				

Examiner Signature	<i>William W. Moore</i>	Date Considered	18 August 2003
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	TBA 10/618,934
		Filing Date	July 14, 2003
		First Named Inventor	Sierkstra et al.
		Art Unit	TBA 1.656
		Examiner Name	TBA W. Moore
Sheet 2 of 2	Attorney Docket Number	4322.230-US	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T. ²
W. Moore		Seizen Roland et al.; Homology Modeling and Protein Engineering, Protein Engineering, Vol. 4, Part 7, pgs. 719-737 (1991)	
W. Moore	1	Russell, A.J. et al; Rational Modification of Enzyme Catalyst, Nature, Vol. 328, pgs. 496-500, (1987)	
W. Moore		Patoliano, MW. Et al; Large Increases in General Stability for Subtilisin, Biochemistry, Vol. 28, pgs. 7205-7213 (1989)	

Examiner Signature	<i>William M. Moore</i>	Date Considered	18 Aug 2003
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Approved for use through 10/31/2002. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/618,934
			Filing Date	July 14, 2003
			First Named Inventor	Sierkstra et al.
			Art Unit	TBA 1656
			Examiner Name	TBA W. MOORE
Sheet	1	of	Attorney Docket Number	4322.230-US

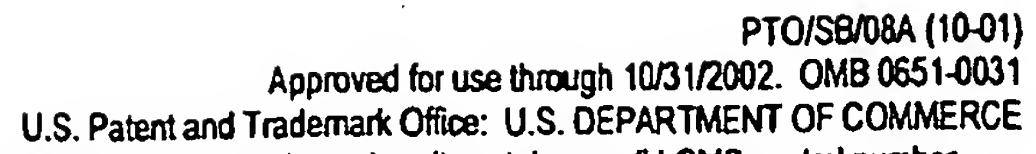
[illegible][illegible]

Examiner Signature	<i>William H. Brown</i>	Date Considered	<i>19 August 2004</i>
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Application Number	10/618,934
Filing Date	July 14, 2003
First Named Inventor	Sierkstra et al.
Art Unit	TBA 1656
Examiner Name	TBA Wymore
Attorney Docket Number	4322.230-US

Sheet	2	of	2
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[illegible]

Examiner Signature	<i>Michael A. Brown</i>	Date Considered	18 Aug 2005
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